

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 03/05254

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06T7/00 A61B6/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06T A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/41626 A (Z KAT INC) 20 July 2000 (2000-07-20) abstract; figures 4,6 page 1, line 23 - page 3, line 30	1-5
A	GINGINS P ET AL: "Model-based 3D object recognition by a hybrid hypothesis generation and verification approach" PROC. SPIE - INT. SOC. OPT. ENG. (USA), PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, 1994, SPIE-INT. SOC. OPT. ENG, USA, vol. 2353, 2 October 1994 (1994-10-02), pages 67-77, XP0009026682 ISSN: 0277-786X the whole document	1-5

-/-

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

9 March 2004

Date of mailing of the international search report

26/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Herter, J

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 03/05254

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WEI WEN ET AL: "Structure inference and pose-estimation based on symmetry of object"</p> <p>TENCON '94. IEEE REGION 10'S NINTH ANNUAL INTERNATIONAL CONFERENCE. THEME: FRONTIERS OF COMPUTER TECHNOLOGY. PROCEEDINGS OF 1994 SINGAPORE 22-26 AUG. 1994, NEW YORK, NY, USA, IEEE, 22 August 1994 (1994-08-22), pages 766-770, XP010126925</p> <p>ISBN: 0-7803-1862-5</p> <p>the whole document</p>	1-5
A	<p>US 5 676 146 A (SCARBOROUGH NELSON L)</p> <p>14 October 1997 (1997-10-14)</p> <p>cited in the application</p> <p>the whole document</p>	1-5
A	<p>YOSHIDA K ET AL: "Active 3D modeling by recursive viewpoint selection based on symmetry"</p> <p>PROC. SPIE - INT. SOC. OPT. ENG. (USA), PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, 1995, SPIE-INT. SOC. OPT. ENG, USA,</p> <p>vol. 2588, 26 October 1995 (1995-10-26), pages 326-336, XP0009026678</p> <p>ISSN: 0277-786X</p> <p>the whole document</p>	1-5
A	<p>US 5 397 329 A (ALLEN GEORGE S)</p> <p>14 March 1995 (1995-03-14)</p> <p>abstract; figures 6-8</p> <p>column 3; line 30 - column 4, line 26</p>	1-5
A	<p>SABLATNIG R ET AL: "Model-based registration of front- and backviews of rotationally symmetric objects"</p> <p>COMPUT. VIS. IMAGE UNDERST. (USA), COMPUTER VISION AND IMAGE UNDERSTANDING, JULY-SEPT. 2002, ACADEMIC PRESS, USA,</p> <p>vol. 87, no. 1-3,</p> <p>September 2002 (2002-09), pages 90-103, XP002272936</p> <p>ISSN: 1077-3142</p> <p>the whole document</p>	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB 03/05254

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0041626	A	20-07-2000	AU 2415000 A CA 2360572 A1 EP 1158899 A1 JP 2002534204 T WO 0041626 A1	01-08-2000 20-07-2000 05-12-2001 15-10-2002 20-07-2000
US 5676146	A	14-10-1997	AU 739912 B2 AU 4270397 A BR 9711829 A CA 2266047 A1 CA 2446573 A1 EP 0932373 A1 JP 2001500409 T KR 2000036113 A WO 9810712 A1	25-10-2001 02-04-1998 18-01-2000 19-03-1998 19-03-1998 04-08-1999 16-01-2001 26-06-2000 19-03-1998
US 5397329	A	14-03-1995	US 5119817 A US 4991579 A US 5211164 A US 5178164 A AU 648184 B2 AU 1941492 A AU 2459388 A AU 658333 B2 AU 4886893 A AU 657436 B2 AU 4886993 A AU 657437 B2 AU 4889293 A AU 657438 B2 AU 4890293 A BR 8805881 A CA 1317036 C CA 1334035 C DE 3838011 A1 ES 2013810 A6 FR 2627075 A1 GB 2212371 A ,B GB 2246936 A ,B IT 1227797 B JP 2001244 A JP 2732618 B2 SE 8804056 A US 4945914 A US 5094241 A US 5142930 A US 5230338 A	09-06-1992 12-02-1991 18-05-1993 12-01-1993 14-04-1994 10-09-1992 25-05-1989 06-04-1995 09-12-1993 09-03-1995 09-12-1993 09-03-1995 09-12-1993 09-03-1995 09-12-1993 01-08-1989 27-04-1993 17-01-1995 20-07-1989 01-06-1990 18-08-1989 19-07-1989 12-02-1992 07-05-1991 05-01-1990 30-03-1998 09-11-1988 07-08-1990 10-03-1992 01-09-1992 27-07-1993